Haley Morgan

Engineer and software developer with a constant drive for self-development. Passion for learning new technologies and software design principles. Emphasis on work ethic, organization, and continuous testing.

Location	Watertown, MA	**GitHub**	h-morgan
Phone	(774)-262-7555	**LinkedIn**	linkedin.com/in/haleymorgan
Email	haleymorgan3264@gmail.com	**Personal**	haleyemorgan.com

SKILLS

Languages:	Python, JavaScript, SQL, JSON, HTML, CSS, C++
Frameworks/Libraries:	NumPy, Flask, Matplotlib, Pandas, Bootstrap, React
Tooling:	Vim, Git/GitHub, VS Code, AutoCAD, Solidworks
Other:	Debugging, databases, teamwork, technical writing

EXPERIENCE

OCT 2019 - PRESENT   **Research Programmer – Boston Fusion Corp.** (Lexington, MA)

- Responsible for designing, developing, testing, debugging, and maintaining software of projects for use in machine learning and anomaly detection research programs
- Support all stages of software development life cycle research programs on multiple teams for various DoD clients
- Develop parsers to create and organize massive datasets of satellite data for use in software programs

OCT 2018 – SEP 2019   **Information Privacy and Compliance Analyst – Clark University** (Worcester, MA)

- Worked with end users to continuously collect and analyze functional requirements and use cases for all enterprise projects, evolving solutions as needed
- Developed and maintained a system to triage and monitor malicious phishing emails using regex rules written in the YARA language to decrease exposure of compromised accounts
- Assist in security testing response efforts to ensure applications are as secure and stable as possible, upholding the CIA triad

APR 2017 – OCT 2018   **Civil Engineer – Tetra Tech** (Marlborough, MA)

- Performed site and system redesign through continuous iterations as member of an interdisciplinary team to eliminate costly and unnecessary complexities
- Applied technical knowledge to design Department of Defense (DoD) and USAID international bases/sites using AutoCAD Civil3D
- Maintained Active Secret Security clearance for ability to work on classified projects

EDUCATION

MAY 2016   **Worcester Polytechnic Institute (WPI)**
Bachelor of Science, Civil Engineering

PROJECTS

Flashcards Application: built a flashcard web app using React on the frontend and a database backend to generate a random flashcard on button click, to help study for exams.

Agassiz Village Website: worked with local non-profit organization to update, edit, and maintain events pages on their website as needed in response to their requests.

CERTIFICATES

JUL 2019   **JavaScript Algorithms and Data Structures (300 hours)** - *FreeCodeCamp*

MAR 2019   **Responsive Web Design (300 hours)** - *FreeCodeCamp*

MAR 2017 – FEB 2018   **Python for Data Science** - *DataCamp*